

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2002-161146

(43)Date of publication of application : 04.06.2002

(51)Int.Cl.

C08J 5/18
C08K 3/08
C08K 5/36
C08L101/00
C09J 7/00
C09J 9/02
C09J201/00
H01B 5/16
H05K 3/32

(21)Application number : 2000-357372

(71)Applicant : ASAHI KASEI CORP

(22)Date of filing : 24.11.2000

(72)Inventor : OTANI AKIRA

YOKOYAMA AKINORI

(54) ANISOTROPICALLY CONDUCTIVE FILM

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an anisotropically conductive film which is capable of electrically connecting circuits with each other at low temperature in a short time and is excellent in storage stability, reliability of connection, and peeling strength.

SOLUTION: The anisotropically conductive film disperses conductive particles in an organic binder and the organic binder component contains a cation polymerizable substance. This anisotropically conductive film contains a cation generating agent of 0.01-10 pts.wt. such as 4-methoxycarbonyloxy- benzylmethylsulfoniumhexafluorophosphate with respect to 100 pts.wt. of the organic binder component and a cation-capturing agent of 0.1-15 pts.wt. to react with a cation species generated from the cation generating agent with respect to 100 pts.wt. of the cation generating agent.

LEGAL STATUS

[Date of request for examination]

31.10.2002

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2001-332137

(43)Date of publication of application : 30.11.2001

(51)Int.Cl.

H01B 5/16
C08J 5/18
C08K 3/00
C08K 5/36
C08L 67/00
C08L101/00

(21)Application number : 2000-151205

(71)Applicant : ASAHI KASEI CORP

(22)Date of filing : 23.05.2000

(72)Inventor : OTANI AKIRA

YOKOYAMA AKINORI

(54) ANISOTROPIC CONDUCTIVE FILM

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an anisotropic conductive film excellent in reliability for bonding strength, which is capable of electrically connecting mutual circuits with high bond strength in a short period of time.

SOLUTION: The anisotropic conductive film is composed of a composition containing a binder component and conductive particles dispersed in the binder. The binder component contains a polyester resin in an amount of 5 to 70 pts.wt. based on the binder component of 100 pts.wt. wherein the polyester resin contains a cation hardening substance containing a sulfonium salt as a hardening agent, and has a solubility parameter of 8 to 11.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]